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October 1, 2003

**ATTORNEY DOCKET NO.: JHU1510-2**

Parent Application No.: 09/934,035

Parent Filing Date: August 21, 2001

Parent Inventors: Philip A. Beachy, Ming-Jer Tsai, Sophia Y. Tsai, Venkatesh Krishnan and Chien-Huan Chen

22264 U.S. PTO  
10/677982  
  
100103

**Mail Stop PATENT APPLICATION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Presented for filing is a new **Continuation** patent application of:

**APPLICANTS : Philip A. Beachy, Ming-Jer Tsai, Sophia Y. Tsai, Venkatesh Krishnan and Chien-Huan Chen**

**TITLE : MODULATION OF HEDGEHOG-MEDIATED SIGNALING PATHWAY**

The prior application is assigned of record to **THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE** and **BAYLOR COLLEGE OF MEDICINE**, by virtue of assignments submitted to the Patent and Trademark Office for recording on July 24, 1998 and July 27, 1998, respectively, at Reel 9349, Frame 0892 and Reel 9349, Frame 0901, respectively.

Enclosed are the following papers, including all those required to receive a filing date under 37 CFR § 1.53(b):

|                                    |    |
|------------------------------------|----|
| Pages of Specification             | 52 |
| Pages of Claims                    | 6  |
| Pages of Abstract                  | 1  |
| Pages of Declaration (from Parent) | 4  |
| Sheets of Drawing                  | 20 |

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Date of Deposit: October 1, 2003

I hereby certify under 37 C.F.R. § 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to the Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JASON BERRY  
(TYPED OR PRINTED NAME OF PERSON MAILING PAPER)

Jason Berry  
(SIGNATURE OF PERSON MAILING PAPER OR FEE)

**GRAY CARY WARE & FREIDENRICH LLP**

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This request includes Three (3) sheets and the following:

- Preliminary Amendment (5 pages);
- Information Disclosure Statement (2 pages);
  - Forms PTO-1449 (filed in parent application) (2 pages);
  - Forms PTO-892 (filed in parent application) (2 pages);
- Request for Transfer of Computer Readable Form (2 pages);
- Sequence Listing (3 pages);
- Check No. 545385 in the amount of \$385.00; and
- Return Receipt Postcard.

Under 35 USC § 120, this application is a **continuation** application of U.S. Application Serial No. 09/934,035 filed August 21, 2001, now pending; which is a continuation application of U.S. Application Serial No. 09/023,249 filed February 13, 1998, now issued as U.S. patent 6,277,566. The disclosure of each of the prior applications is considered part of and is incorporated by reference in the disclosure of this application.

Applicants claim **SMALL ENTITY** status in the above-identified application. Pursuant to 37 C.F.R. § 1.27, a verified statement claiming small entity status is not required.

The filing fee is calculated as follows:

|   | Number Filed                                    |   | Number Extra |   | Rate         |              |           | Fee          |              |  |  |  |  |
|---|---|---|--------------|---|--------------|--------------|-----------|--------------|--------------|--|--|--|--|
|   |   |   |              |   | Small Entity | Large Entity |           | Small Entity | Large Entity |  |  |  |  |
| Total Claims                            | 6-20  | = | 0            | X | \$09         | \$18         | =         | \$ .00       | \$ .00 --    |  |  |  |  |
| Independent Claims                      | 1-3   | = | 0            | X | \$42         | \$84         | =         | \$ .00       | \$ .00       |  |  |  |  |
| Multiple Dependent<br>Claims Presented: | ____ Yes <input checked="" type="checkbox"/> No |   |              |   | \$140        | \$280        |           | \$ ---       | \$ ---       |  |  |  |  |
|   |   |   |              |   | BASIC FEE    |              | \$ 385.00 | \$ 770.00    |              |  |  |  |  |
|   |   |   |              |   | TOTAL FEE    |              | \$ 385.00 |              |              |  |  |  |  |

**GRAY CARY WARE & FREIDENRICH LLP**

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Enclosed is Check No. 545385 in the total amount of \$385.00; which consists of \$385.00 for the filing fee. The Commissioner is hereby authorized to charge any additional fees associated with the filing submitted herewith, or credit any overpayment, to Deposit Account 50-1355, referencing the Attorney Docket number shown above. A duplicate copy of this transmittal letter is attached.

If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Please send all correspondence to:

Lisa A. Haile, J.D., Ph.D.

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Respectfully submitted,

**GRAY CARY WARE & FREIDENRICH LLP**

October 1, 2003

Date



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**USPTO CUSTOMER NUMBER 28213**

LAH:ag

Enclosures